

Colorado Wind and Distributed Energy: Renewables for Rural Prosperity

Workshop and Exhibition • April 8-9, 2002 • Renaissance Denver Hotel • Denver, Colorado

How can farmers, ranchers, rural electric cooperatives and others interested in rural economic development capture Colorado's abundant wind energy resources and use distributed energy generation to increase the vitality of Colorado's rural economy? Those topics will be explored in-depth at "Colorado Wind and Distributed Energy: Renewables for Rural Prosperity" on April 8 and 9 in Denver.

Workshop Goals

- Provide "state-of-the-art technology" information and demonstrations on wind energy and distributed generation technologies for Colorado's rural agricultural community.
- Promote agricultural participation in, and support for, distributed generation and wind resources as a way to supply electricity; generate new income sources; and reduce environmental impacts.
- Review developing and ongoing wind and bio-digester installations in Colorado and elsewhere.
- Promote discussions between Colorado ranchers and farmers and their electric and gas suppliers, to further interconnection of distributed generation resources to the electric grid.

Monday, April 8 — Wind Energy Focus

Sessions will explore how to capture the wind and reap benefits for rural Colorado. Experts will provide state-of-the-art information on wind energy costs and benefits as well as Colorado wind resources, technology, applications, markets, policy and financing.

Tuesday, April 9 — Distributed Energy Focus

Farmers, utilities and manufacturers will discuss actual applications and costs of a variety of distributed energy technologies, as well as how to assess project viability. In addition, experts will provide information on technical and financial assistance available to implement DE projects.

Exhibits — Both Days

Exhibits both days at the Renaissance Hotel and at the nearby Urban Farm at Stapleton will provide great opportunities to talk with company representatives and see demonstrations of wind turbines, fuel cells, biofuels, photovoltaic systems and more.

Sunday, April 7, 10:00 a.m.–5:00 p.m.

Pre-workshop event: "Colorado Sustainable Living Roundup" at the Urban Farm at Stapleton offers additional opportunities to see these technologies in action.

Preliminary Workshop Topics

Registration begins at 7:30 a.m. Monday, April 8

Monday, April 8 — Wind Energy Focus

Preliminary Topics

- State of wind power technologies
- Rural economic development through renewable energy
 - Municipal utility wind development models
 - Rural electric cooperative wind development models
 - Wind power as a “cash crop” for Colorado farmers and ranchers
 - Wind irrigation analysis tools
 - USDA Rural Utility Service programs to aid development
 - Wind Powering America programs
- Colorado renewable resource studies
- Experiences in other states — lessons learned
- Investing in large-scale wind power
 - How can Colorado attract investors?
 - Opportunities for in-state investors
 - Markets for electricity and green credits
- Small and medium wind and distributed generation
 - Determining if a small wind system is right for your home, farm or business
 - How to obtain and install small turbines
 - On- and off- grid applications of small to medium turbines
 - Agricultural applications of medium-size wind systems
 - Potential benefits of distributed generation
- Issues pertinent to long-term success/ development
 - Transmission issues
 - Technology development
 - Wind turbine and related technology manufacturing

Invited Speakers — April 8

Bill Owens, Governor
Mark Udall, U.S. Congressional Representative
Ron Rebenitsch, Basin Electric Cooperative
Dale Osborne, DisGen Wind Development
Lori Clements-Grote, Fort Collins Utilities
Darin Husby, SeaWest Wind Power
Gary Schmitz, Colorado Public Utility Commission
Ron Lehr, Attorney
Larry Flowers, National Renewable Energy Laboratory
Steve Palomo, U.S. Department of Energy
Andy Sulkko, Xcel Energy
Michale Payne, Enron Wind Development Corporation

Tuesday, April 9 — Distributed Energy Focus

Preliminary Topics

- State of distributed energy technologies
- Legislative briefing on opportunities for rural economic development through wind and distributed generation technologies
- Successes and barriers to distributed generation interconnection nationally and in Colorado
 - Interconnection models that are working
 - Barriers: Real and/or imagined?
 - Cooperation between distributed generation sites and local distribution companies
 - What will it take to move forward?
- State of biofuel technologies
- Biofuels as a “cash crop” for Colorado farmers — what crops are most promising?
- Distributed energy technology case studies:
 - Landowner blending of anaerobic digesters and microturbines
 - Utility development of anaerobic digesters for power
 - Landowner use of solar water pumping
 - Biofuels development
- Utility/landowner resources
 - How to assess project viability for landowners and rural electric cooperatives
- Looking Forward
 - Next steps and timeline to move forward with distributed generation technologies, interconnection standards and net metering agreements

Invited Speakers — April 9

Tom Starrs, Kelso Starrs and Associates
Gary Swanson, Colorado Pork, LLC.
Jeff Cole, Portland General Electric
Steve Johnson, ECO
Rolland Skinner, Northwest Rural PPD
Bob Putnam, AWS Scientific
Ed Torrero, Cooperative Research Network
John H. Ashworth, PhD, NREL-Biofuels Industrial Partnerships
George Schultz, USDA Rural Utility Service

Colorado Wind and Distributed Energy: Renewables for Rural Prosperity

Registration Form

Monday, April 8 — Wind Energy Focus

Registration postmarked by March 22

- | | |
|---|------|
| <input type="checkbox"/> Attending both April 8 and 9 | \$85 |
| <input type="checkbox"/> Attending April 8 only | \$50 |
| <input type="checkbox"/> Attending April 9 only | \$50 |

Tuesday, April 9 — Distributed Energy Focus

Registration postmarked after March 22

- | | |
|---|------|
| <input type="checkbox"/> Attending both April 8 and 9 | \$95 |
| <input type="checkbox"/> Attending April 8 only | \$60 |
| <input type="checkbox"/> Attending April 9 only | \$60 |

Registration Fee includes continental breakfast and lunch, and admission to workshop sessions, demonstrations at the Urban Farm and the Exhibit at the workshop hotel.

Name _____

Name for name badge (if different) _____ Job title _____

Organization _____

Address _____
Street City State Zip

Phone _____ Fax _____ E-mail _____

Payment Method

Mail completed form and check to:

Rural Prosperity Workshop

PO Box 1263

Longmont, CO 80502

Payable to "Howe Professional Services"

Cancellation Policy: Refunds less a \$15 processing fee will be made until March 22. No refunds will be issued after March 22.

We are unable to accept payment by credit card.

Hotel Information

The Renaissance-Denver Hotel is located at 3801 Quebec Street, directly west of the Stapleton Airport property. Rooms at the Renaissance feature private balconies, cable TV, hair dryers, irons and ironing boards and a coffee maker.

The hotel also has an award-winning restaurant, a fitness center, indoor pool, whirlpool spas, sauna and locker room.

A block of rooms has been reserved at the Renaissance-Denver Hotel for the special price of \$87 per night (plus tax). To reserve your room, please contact the Renaissance Denver Hotel at 800-444-2206. Please mention the **Rural Prosperity Workshop** to receive the special workshop rate. Rooms and Rate guaranteed available until March 18.

Please check the topics that interest you

- ☐ Small Wind and Remote Applications
- ☐ Utility Scale Wind Projects
- ☐ Agriculture/Farming Applications
- ☐ State Renewable Policy Initiatives
- ☐ Interconnection
- ☐ Anaerobic Digesters for Landowners
- ☐ Anaerobic Digesters for Utilities
- ☐ Solar Water Pumping
- ☐ Technical and Funding Resources Available to Co-ops
- ☐ Distributed Energy (Microturbines/Fuel Cells)
- ☐ Biofuels

Please check one that best describes your field

- ☐ State Government
- ☐ Rural Electric Co-op
- ☐ Wind Power Developers
- ☐ Native American Groups
- ☐ Chambers of Commerce
- ☐ Public Utility Commissions
- ☐ Department of Agriculture
- ☐ Gas/Oil Industry
- ☐ Farmer/Rancher/Landowner
- ☐ Electric Power Producer or Carrier
- ☐ Educator
- ☐ Agriculture Related Agency or Company
- ☐ Other _____

Special Needs

- ☐ Please serve me vegetarian meals
- ☐ Please contact me to discuss how you can accommodate my special access needs

Sponsors to Date:



**Colorado Governor's Office
of Energy Management and
Conservation**



**U.S. Department of Energy
Denver Regional Office**



**Western Area
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Administration**



American Corn Growers Association



Tri-State Generation and Transmission



FPL Energy



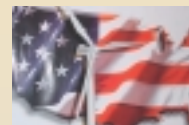
**Regional
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Xcel Energy



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Tim Olsen Consulting
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The Urban Farm at Stapleton
Arkansas River Power Authority
Rocky Mountain Farmers Union**

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Casino Transport Company
Aeromax Wind Energy
Heating Energy Assistance Team**

**University of Colorado at Denver/Wirth Chair
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NRG Systems
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Hill Petroleum**

**Rural Prosperity Workshop
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Rural Prosperity**

**Denver, Colorado
April 8-9, 2002**